	Application No.	Applicant(s)	
Notice of Allowability	10/786,708	NAKAMURA, TOSHIHIRO ET AL.	
Notice of Allowability	Examiner	Art Unit	
	Gene N. Auduong	2827	
The MAILING DATE of this communication appeal All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this ap or other appropriate communication GHTS. This application is subject to	plication. If not included will be mailed in due c	d ourse. THIS
1. \boxtimes This communication is responsive to <u>application filed February</u>	uary 24, 2004.		•
2. The allowed claim(s) is/are <u>1-43</u> .			
3. The drawings filed on 24 February 2004 are accepted by the	ne Examiner.		
 4. Acknowledgment is made of a claim for foreign priority una a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: 	been received. been received in Application No		on from the
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the requ	uirements
5. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			OTICE OF .
6. CORRECTED DRAWINGS (as "replacement sheets") mus (a) including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Paper No./Mail Date ldentifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the deponattached Examiner's comment regarding REQUIREMENT	on's Patent Drawing Review (PTO- s Amendment / Comment or in the C .84(c)) should be written on the drawi he header according to 37 CFR 1.121(sit of BIOLOGICAL MATERIAL I	Office action of ngs in the front (not the d). must be submitted. N	٠
 Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/O Paper No./Mail Date 2-24-04 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material 	5. Notice of Informal F 6. Interview Summary Paper No./Mail Da 7. Examiner's Amenda 8. Examiner's Statema 9. Other	(PTO-413), te ment/Comment	•

DETAILED ACTION

Priority

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Information Disclosure Statement

2. The information disclosure statement (IDS) submitted on May 24, 2004 is being considered by the examiner.

Allowable Subject Matter

- 3. Claims 1-43 are allowed.
- 4. The following is an examiner's statement of reasons for allowance:

The prior art does not teach or fairly disclose a semiconductor memory device as claimed, comprising: a plurality of precharge circuits for precharging the paired bit lines to a predetermined precharge voltage in accordance with a first control signal; and a bit line precharge voltage generation unit for supplying a precharging voltage to plurality of precharge circuits, an equalizing voltage of the paired bit lines being different from the precharge voltage, the bit line precharge voltage generation unit comprising: a precharge voltage generation circuit for generating the precharge voltage and supplying the precharge voltage to the plurality of precharge circuits; and a precharge voltage pumping circuit including a pumping capacitor, a first switch for connecting a first electrode of the pumping capacitor to a first power source, a second switch for connecting the first electrode to an output node of the pumping capacitor to

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the first power source, a fourth switch for connecting the second electrode to a second power source, and a control circuit for controlling on/off of the first, second, third, and fourth switches.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Gene N. Auduong whose telephone number is (571) 272-1773.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hoai Ho can be reached on (571) 272-1777. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

GA February 24, 2005

> Gene N Auduong Primary Examiner Art Unit 2827